THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) and (b) Yes, sir. 34 sites which could be considered suitable for wind power development have been identified in the Saurashtra-Kutch region and other coastal areas of Gujarat under the National Wind Resource Assessment Programme undertaken during 1986-2001. A gross wind power potential of 9,675 MW has been estimated for Gujarat.

(c) A wind power capacity of 167 MW has been installed in Gujarat, which includes 17 MW demonstration projects and 150 MW commercial projects.

**.Solar Villages Electrification Scheme in Kerala**

1558. SHRI N.K. PREMACHANDRAN: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) how many villages in Kerala are benefited by the Solar Electricity under non-conventional energy sources;

(b) the funds allotted to Kerala for undertaking Solar Village Electrification Scheme during this year;

(c) whether Government propose to develop the Solar Electricity facilities and other non-conventional energy sources in Kerala;

(d) if so, the details thereof;

(e) how many non-conventional energy projects existing in Kerala which have the capacity to produce 100 K. V. or more electric current;

(f) whether any proposal to start any such projects in Kerala in the coming years; and

(g) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) and (b) Solar Photovoltaic (SPV) system for generation of electricity are being used widely in Kerala, with support from the central and state Governments.The SPV Programme is being implemented in Kerala through the state nodal agency for renewable energy programmes *viz.* the Agency for Non-Conventional Energy and Rural Technology (ANERT), Thiruvananthapuram. As on 31/3/2002, a total of 66,167 solar lanterns, 3,170 solar home lighting systems, 724 street lighting systems, 713 solar

pumps and 6 power plants of 55 KW aggregate SPV capacity have been installed/distributed in the state under this programme.

In addition, 129 scheduled caste and scheduled tribe colonies in the state have been electrified through installation of 5,100 solar home lighting systems during 2000-01. The Ministry provided financial assistance of Rs. 403 lakhs to ANERT for this project. During 2001 -02, another project for electrification of 173 scheduled caste and scheduled tribe colonies through installation of 13,438 solar home lighting systems and 865 solar street lighting systems was sanctioned. The project is currently under implementation. The estimated cost of the project is about 1820 lakhs, out of which the central share is about Rs. 861 lakhs. The Ministry has already released an amount of Rs. 443 lakhs to ANERT for this project.

No further proposal has been received from ANERT for electrification of remote villages/colonies/hamlets in the state through solar energy during 2002-03.

(c) to (g) The Ministry support suitable proposals received from the state and programme implementing organizations for development of various non-conventional energy sources like solar energy, biogas, biomass, wind and small hydro power.

With support from the Ministry, a 2 MW capacity wind farm was set up at Kanjikode and 12 biomass gasifiers of 720 KW aggregate capacity have been commissioned in Kerala. In addition, projects for installation of 13 biomass gasf ier systems of 1,495 KW aggregate capacity have been sanctioned. Out of these three systems are of 100 KW capacity each.

Under the Small Hydro Power Programme, 9 projects of 69.52 MW aggregate capacity have been set up and 11 projects of 75.50 MW aggregate capacity are under construction. Further, the Ministry is supporting detailed surveys, investigations and preparation of Detailed Project Reports for 18 more projects of estimated 101 MW aggregate capacity.

**Funds of EDC for different schemes/programmes/seminars in Madhya Pradesh and Chhattisgarh**

1559. SHRI KAILASH JOSHI: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the amount allocated, released and spent by Energy Development Corporations for different schemes/ programmes/seminars in Madhya-